

IN THE CLAIMS:

Rewrite claim 4 as follows:

—4. (Once Amended) A process for performing a catalyzed chemical reaction of starting materials using an amorphous microporous membrane, wherein said amorphous microporous membrane comprises an amorphous layer comprising pores containing catalytically active components, and said process comprises pressing said starting materials [are pressed] through the pores of said membrane[containing catalytically active components], wherein [the diameter of] said pores each have a pore diameter which is [are] not larger than twice the diameter of the molecules of said starting materials, and the overall distribution of pore diameters has a half-width of < 0.3 nm.—

Claim 6, line 2, after “ $< 10 \mu\text{m}$ ” insert a period and cancel the balance of the claim.

Please add the following new claims:

—7. The process according to claim 5, wherein said pore diameter is between 0.5 and 3 nm.—